

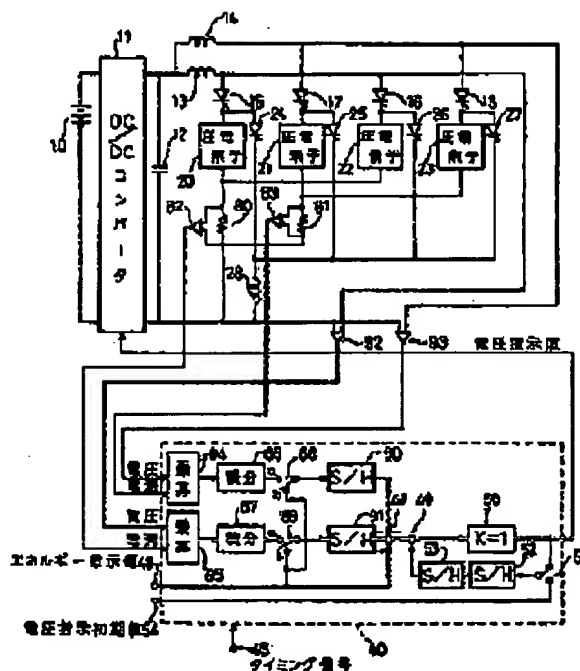
PIEZOELECTRIC-ELEMENT DRIVING CIRCUIT

Patent number: JP6177449
Publication date: 1994-06-24
Inventor: KONDOU MOTOYUKI; others: 01
Applicant: TOYOTA MOTOR CORP
Classification:
- International: H01L41/09; F02M51/00; H02N2/00
- european:
Application number: JP19920325798 19921204
Priority number(s):

Abstract of JP6177449

PURPOSE: To obtain the accurate values of the expanding and contracting amounts of a piezoelectric element.

CONSTITUTION: A current detecting means detects the value of the current flowing through a charging and discharging path when piezoelectric elements 20-23 are charged and discharged. A voltage detecting means detects the voltage values across both ends of the piezoelectric elements or the voltage value in conformity with the voltage across the above described both ends. In a control means 40, the current value detected with the above described current detecting means and the voltage value detected with the voltage detecting means are multiplied, and a voltage instruction value, by which the energy value obtained by the time integration of the multiplied values agrees with a target value, is generated. Thus, the power supply voltage of the above described piezoelectric elements is controlled.



Data supplied from the esp@cenet database - Worldwide